

Special Operations Forces Planning And Rehearsal System Air, Ground, Maritime (SOFPARS)



Product Manager

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FalconView 3.1 New Features



- Bullseye Tool
- Contrast Adjustment for CIB Images
- DTED Scale In/Out
- Expanded Map Scale Support - LFC's **(SOF Funded)**
- Expanded Map Scale Support - TFC's, CIB 1 Meter
- ECHUM Update from CD or the Internet
- GPS Moving Map Display Enhancements
- Orbit Tracks
- Object Attachment **(SOF Funded)**
- Route Line Properties **(SOF Funded)**
- Route Time/Distance Tick Marks **(SOF Funded)**
- S-Turns
- Serpentine Legs **(SOF Funded)**
- Threat display speed was significantly increased from that in FalconView 3.0.1.x. **(Joint Funding)**

FalconView 3.1.1 New Features:



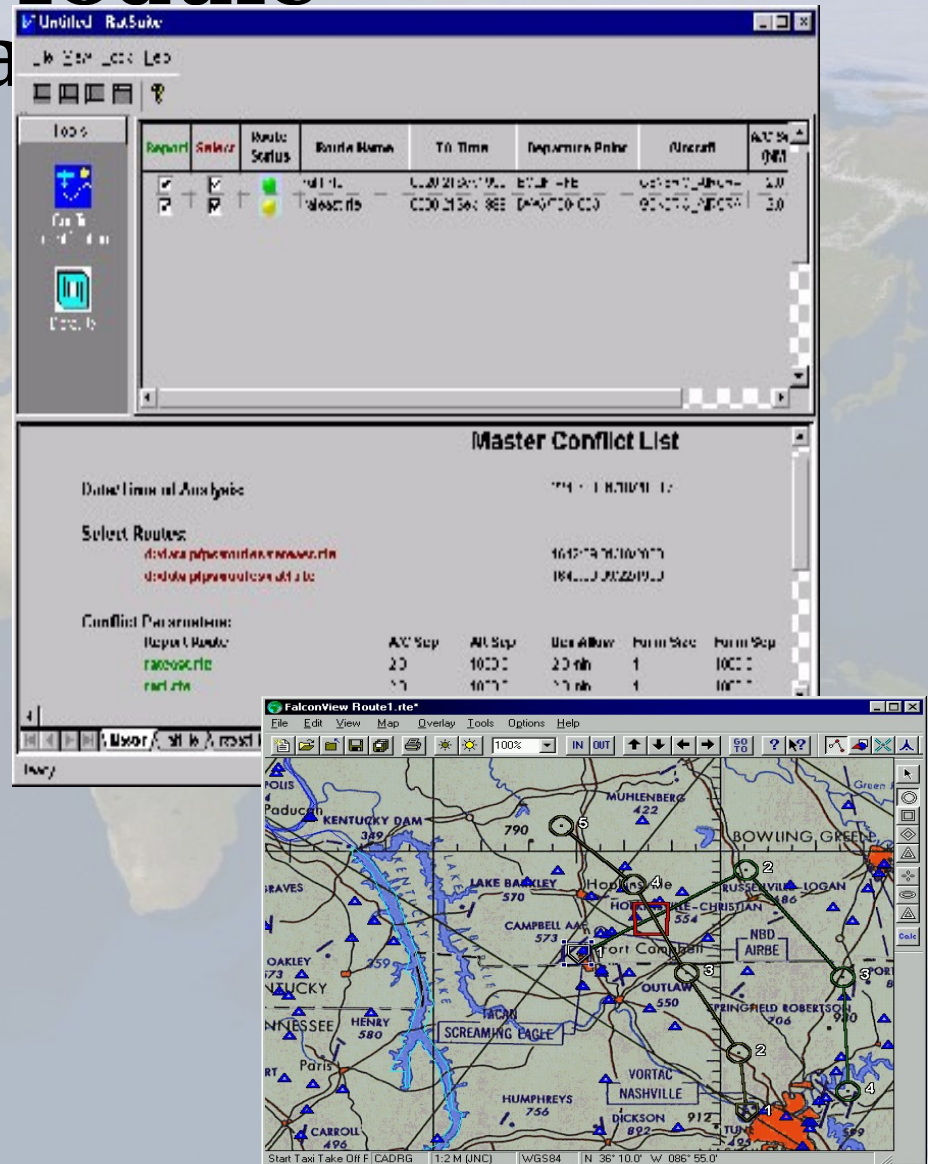
- Area and Strip Chart Support **(SOF Funded)**
- Enhanced Map Data Manager **(SOF Funded)**
- Expanded Overlay Support **(SOF Funded)**
- Doghouses **(SOF Funded)**
- External Application Support **(SOF Funded)**
- New TDIMF Format Support - Replacement of TACELINT

3.1.1 Installable Software Module



Route Analysis

- The "RAT" allows mission planners the ability to deconflict SOF air, ground, and maritime forces based on routes planned on PFPS.
- The planner can set "properties" or "parameters" for deconfliction for each route and the conflicts are presented to the planner graphically on FalconView or in textual output.
- The deconfliction tool will allow the planner to select altitude, time and distance deconfliction parameters.
- When a conflict is detected, the mission planner is given the option to change the conflicted route(s) and then recompute.



Threat Import Filter / Import Tool Intel Support in Mission Planner



- **TIFIT On Hold**

- Ampersand Delivery Not Mature
- Impacted by Web-based Intel Interface Requirements
- Intel Data Formats Evolving and Data Availability Issues
- Requirements Being Re-assessed

- **Leveraging Ongoing PCI3 Efforts**

- Broadsword Server for OB Queries
- ADOCS converts OB Data to Falcon View Format (Equipment vs. ELNOT Based)

SOF FalconView 3.2

(under contract)



- **Symbology:** Users shall be able to select between various symbol sets such as: User Defined, MIL-STD-2525, Chart Pack, and ALR-69
- **The drawing tool kit:** shall be expanded to include all area and linear features described in the "Top 100". (The Top 100 is a description of a subset of MIL-STD-2525 symbology provided separately).
- **Point feature symbology:** FalconView will display a composite icon that includes the name of unit with appropriate color, allegiance, unit type and echelon.

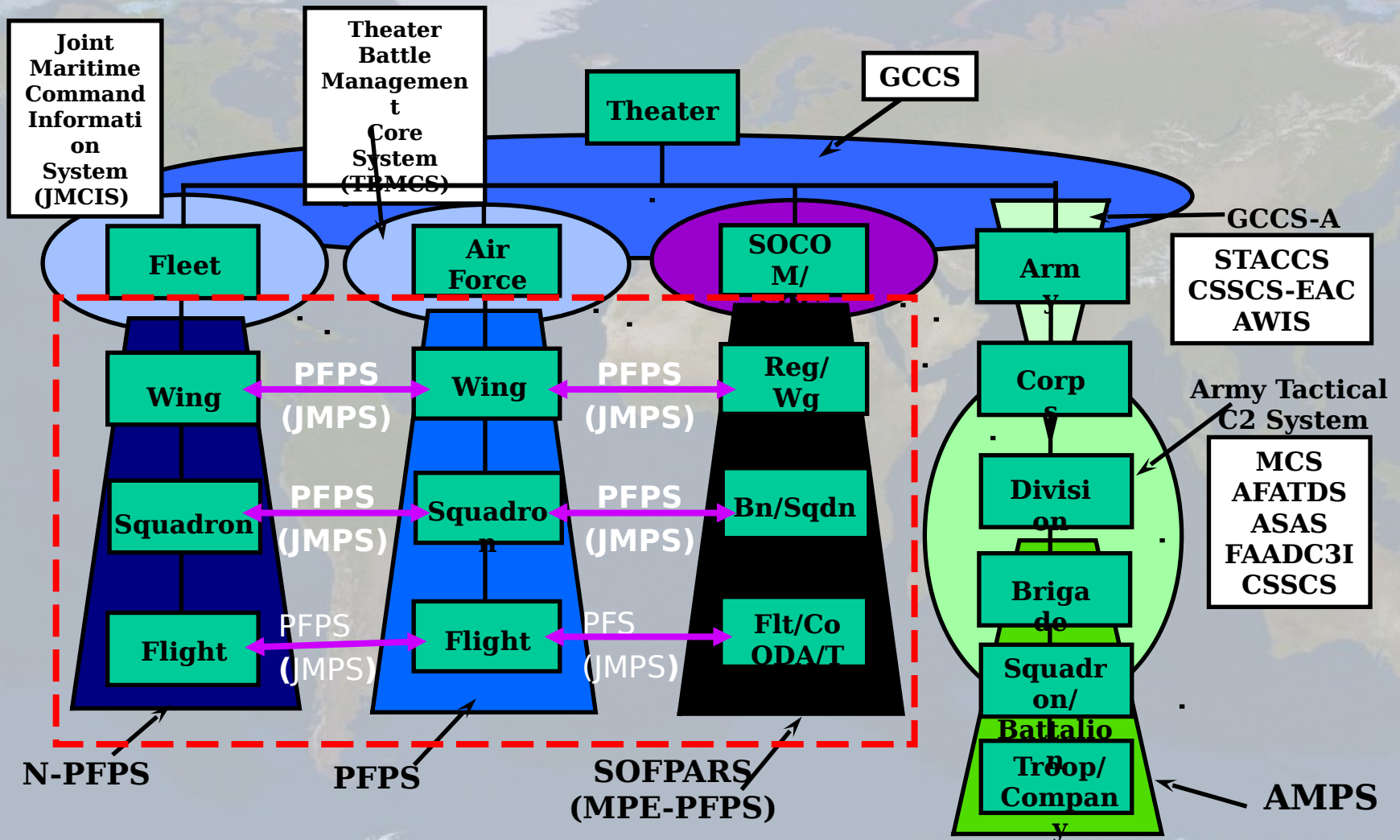


• Ground/Maritime Route Planning

- Ability to choose between air, maritime, or ground vehicle.
- Allow for new units of measure for distance. KM, NM, Feet, Yards.
- Allow users to switch between distance's/ fuel rate unit of measure and ground speed's unit of measure.
- Allow for new units of measure for ground/maritime speed. For ground vehicles, default ground speed - KPH; for maritime vehicles - knots.
- Provide default ground speed/fuel rate for new maritime and ground vehicles.
- Provide the ability to calculate ground speed to a minimum of .1 KPH (100 Meters Per Hour).
- Allow for new units of measure for fuel rate: mpg, Kilometers per gallon.
- Provide the capability for a simple delay at a point (similar to air delay function at waypoint).
- In CFPS/Point Editor/Premission/SysAdmin, hide or dim all fields that don't apply to maritime/ground vehicle when selected.



- **PLGR GPS Data Transfer Module** - Provides Data Loading (route/mission data) to Handheld GPS Devices to support Ground/Maritime Operations and Air Combat Search & Rescue (CSAR)
- **Mission Planning Module** - Digitizes the Military Decision Making Process for Automated Planning Process, Operations Orders and Briefing Slide Presentations.
 - SOFPARS Maritime: Naval Special Warfare Command, Fielded (NAVSPECWARCOM Funded)
 - SOFPARS Ground: Special Forces Command: Under Contract, Fielding in Late Summer
- **SOFTools** - is a set of computer based, mission planning and execution tools. Two tools are contained in the first version: DARPA managed for MPARE
 - Synchronization Matrix Editor (SME)
 - Execution Checklist Editor (ECE)



Questions

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